STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
DWR 4-15C6

2. TYPE OF WORK
DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
CEDAR RIM

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
EP ENERGY E&P COMPANY, L.P.

7. OPERATOR PHONE
713 997-5038

8. ADDRESS OF OPERATOR
1001 Louisiana, Houston, TX, 77002

9. OPERATOR E-MAIL
maria.gomez@epenergy.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
1420H622664

11. MINERAL OWNERSHIP
FEDERAL ○ INDIAN ◉ STATE ○ FEE ○

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ◉ FEE ○

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
State/DWR

14. SURFACE OWNER PHONE (if box 12 = 'fee')

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')
UTE

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ◉

19. SLANT
VERTICAL ◉ DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	660 FNL 1320 FWL	NENW	15	3.0 S	6.0 W	U
Top of Uppermost Producing Zone	660 FNL 1320 FWL	NENW	15	3.0 S	6.0 W	U
At Total Depth	660 FNL 1320 FWL	NENW	15	3.0 S	6.0 W	U

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
660

23. NUMBER OF ACRES IN DRILLING UNIT
640

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
1500

26. PROPOSED DEPTH
MD: 11300 TVD: 11300

27. ELEVATION - GROUND LEVEL
6202

28. BOND NUMBER
RLB0009692

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
Duchesne City

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	13.375	0 - 700	54.5	J-55 ST&C	8.4	Class G	876	1.15	15.8
SURF	12.25	9.625	0 - 4400	40.0	N-80 LT&C	9.0	Type V	702	2.17	12.0
							Class G	425	1.33	14.2
I1	8.75	7	0 - 8200	29.0	P-110 LT&C	9.5	Class G	235	2.31	12.0
							Class G	122	1.91	12.5
L1	6.125	4.5	8000 - 11300	13.5	P-110 LT&C	10.6	Class G	167	2.32	12.5

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME Maria S. Gomez	**TITLE** Principal Regulatory Analyst	**PHONE** 713 997-5038
SIGNATURE	**DATE** 08/18/2014	**EMAIL** maria.gomez@epenergy.com

API NUMBER ASSIGNED 43013531170000 **APPROVAL**

Received: March 12, 2015

DWR 4-15C6
Sec. 15, T3S, R6W
DUCHESNE COUNTY, UT

EL PASO E&P COMPANY, L.P.

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers**

Formation	Depth
Base MSGW	4,313'
Green River (GRRV)	3,528'
Green River (GRTN1)	4,553'
Mahogany Bench	5,298'
L. Green River	6,503'
Wasatch	8,083'
T.D. (Permit)	11,300'

2. **Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

Substance	Formation	Depth
	Green River (GRRV)	3,528'
	Green River (GRTN1)	4,553'
	Mahogany Bench	5,298'
Oil	L. Green River	6,503'
Oil	Wasatch	8,083'

3. **Pressure Control Equipment:** (Schematic Attached)

A 5.0" by 20.0" rotating head on structural pipe from surface to 700'. A 5.0" by 13 3/8" Rotating Head and 10M Annular from 700' to 4,400' on Conductor. A 10M BOP stack, 10M kill lines and choke manifold used from 4,400' to 8,200'. An 11.0", 10M BOE w/rotating head, 10M annular, 3.5 rams, blind rams & mud cross from 8,200' to 11,300'.The BOPE and related equipment will meet the requirements of the 5M and 10M systems respectively.

OPERATORS MINIMUM SPECIFIC FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 10M x 11" 10M spool, 11" x 10M psi BOP and 10M psi Annular will be nippled up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 10M psi. The annular preventer will be tested to 250 psi low lest and 6,000 psi high test. The 10M BOP will be installed

Received: August 18, 2014

with 3 ½" pipe rams, blind rams, mud cross and rotating head from intermediate shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventer will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Precision Rig # 406 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

Auxiliary Equipment:

A) Pason Gas Detector 700' to TD
B) Mud logger with gas monitor – 4,400' to TD
C) Choke manifold with one manual and one hydraulic operated choke
D) Full opening floor valve with drill pipe thread
E) Upper and lower Kelly cock
F) Shaker, centrifuge and desilter.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Wellbore Diagram.
All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations will be based on

Cement design calculations will be based on gauge hole volumes plus excess (see planned excess below). Actual volumes pumped will be the planned volume on the surface and intermediate sections and caliper plus excess on the production section.

Conductor: 100% Excess
Surface Casing: 100% Excess
Intermediate Casing: 50% Excess on Lead and 75% Excess on Tail
Production: 20% Excess over Caliper

Received: August 18, 2014

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.4 – 9.0
Intermediate	WBM	9.0 – 9.5
Production	WBM	9.5 – 10.6

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program**:

Logs:
Mud Log: 4,400 - TD.
Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from base of surface casing to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 11,300' TD equals approximately 6,229 psi. This is calculated based on a 0.5512 psi/foot gradient (10.6 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 3,743 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 7,800' = 6,560 psi.

BOPE and casing design will be based on the lesser of the two MASPs which is 3,743 psi.

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**

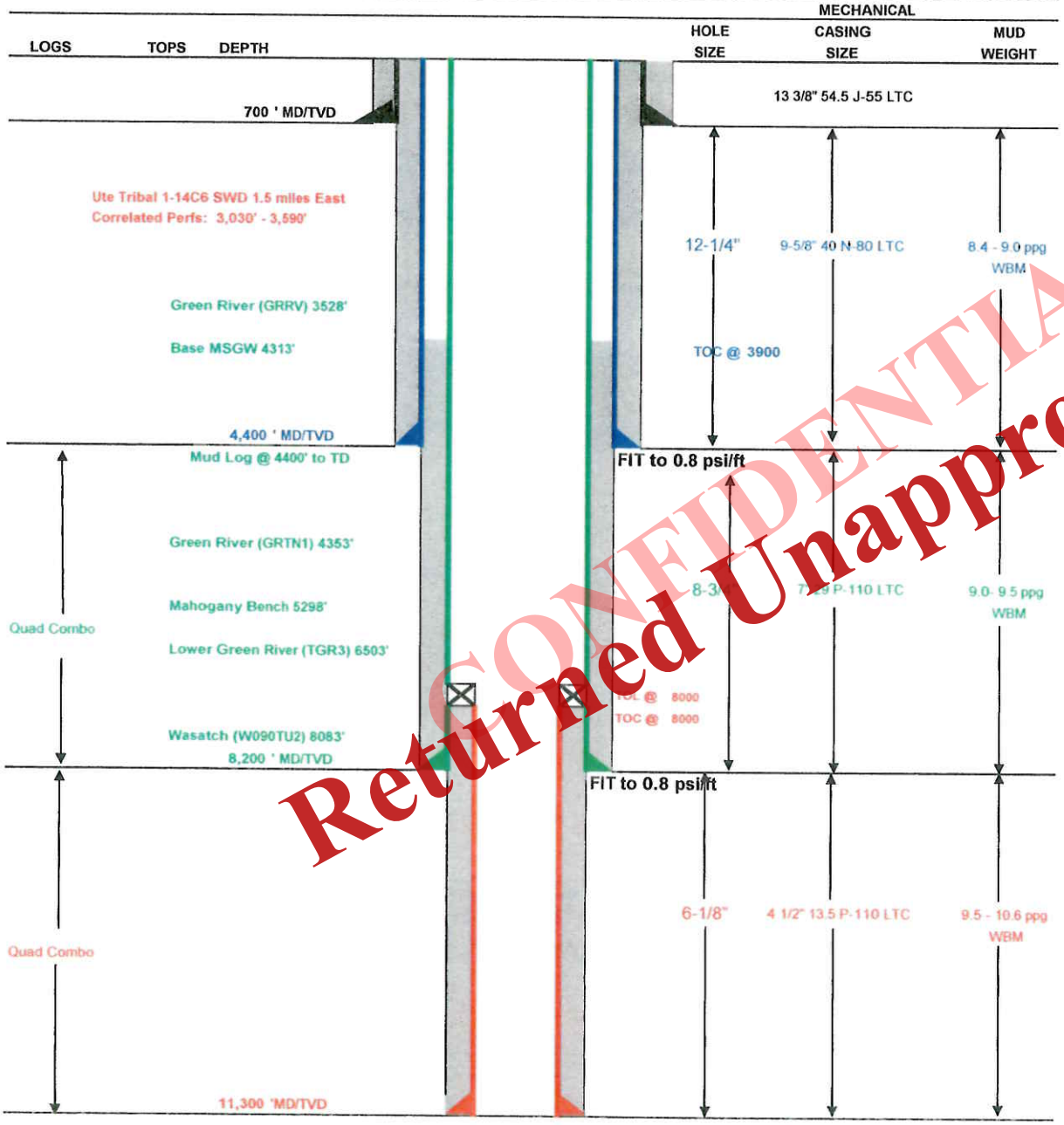
Received: August 18, 2014

elpaso Production

Drilling Schematic

Company Name:	El Paso Exploration & Production	**Date:**	January 25, 2012
Well Name:	DWR 4-15C6	**TD:**	11,300
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	**AFE #:**	
Surface Location:	Sec 15 T3S R6W 660' FNL 1320' FWL	**BHL:**	Straight Hole
Objective Zone(s):	Green River, Wasatch	**Elevation:**	6,202'
Rig:	Precision drilling 406	**Spud (est.):**	

BOPE Info: 5.0 x 13 3/8 rotating head from 700 to 4400 11 10M BOP stack and 10M kill lines and choke manifold used from 4400 to 8200 & 11 10M BOE w/rotating head, 10M annular, 3.5 rams, blind rams & mud cross from 8200 to TD



Received: August 18, 2014

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	700	54.5	J-55	LTC	2,730	1,140	1,399
SURFACE	9-5/8"	0	4400	40.00	N-80	LTC	3,090	5,750	820
INTERMEDIATE	7"	0	8200	29.00	P-110	LTC	11,220	8,530	797
PRODUCTION LINER	4 1/2"	8000	11300	13.50	P-110	LTC	12,410	10,680	338

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		700	Class G + 3% CACL2	876	100%	15.8 ppg	1.15
SURFACE	Lead	3,400	Halco-light premium+3 lbm/sk Silicate+0.8% Econolite+2% Salt+2 lbm/sk Kol-Seal+0.25 lb/sk Kwik Seal	702	50%	12.0 ppg	2.17
	Tail	1,000	Halco-light premium+3 lb/sk Silicate+0.3% Econolite+1% Salt+0.25 lbm/sk Kol-Seal+0.24 lb/sk Kwik Seal+ HR-5	425	75%	14.2 ppg	1.33
INTERMEDIATE	Lead	3,300	Halco-Light-Premium+4% Bentonite+0.4% Econolite+0.2% Halad322+3 lb/sk Silicalite Compacted+0.8% HR-5+ 0.125 lb/sk Poly-E-Flake	235	10%	12.0 ppg	2.31
	Tail	1,000	Halco-Light-Premium+0.2% Econolite+ 0.3% Versaset+0.2% Halad322+0.8% HR-5+ 0.3% SuperCBL+ 0.125 lb/sk Poly-E-Flake	122	10%	[illegible] ppg	1.91
PRODUCTION LINER		3,300	Halco- 50/50 Poz Premium Cement+20% SSA-1+0.3% Super CBL+ 0.3% Halad-344+0.3% Halad-413+ 0.2% SCR-10 0.125 lb/sk Poly-E-Flake + 3 lb/sk [illegible]	167	25%	12.50	2.32

FLOAT EQUIPMENT & CENTRALIZERS

CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at 6000'.
LINER	Float shoe, 1 joint, float collar. Thread lock all FE. Maker joints every 1000'.

PROJECT ENGINEER(S): Joe Cawthorn 713-420-5929

MANAGER: Scott Palmer

Received: August 18, 2014

EL PASO E&P COMPANY, L.P.

DWR 4-15C6

SECTION 15, T3S, R6W, U.S.B.&M.

PROCEED WEST ON PAVED STATE HIGHWAY 40 FROM THE INTERSECTION OF HIGHWAY 87 WITH U.S. HIGHWAY 40 IN DUCHESNE, UTAH APPROXIMATELY 6.7 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL EAST AND THEN NORTH ON PAVED COUNTY ROAD 1.24 MILES TO AN INTERSECTION;

TURN LEFT AND TRAVEL WEST ON GRAVEL ROAD 1.72 MILES TO AN INTERSECTION;

TURN NORTH AND TRAVEL 1.77 MILES ON GRAVEL ROAD TO THE BEGINNING OF THE ACCESS ROAD;

FOLLOW ROAD FLAGS WEST AND THE SOUTH APPROXIMATELY 0.32 MILES TO THE PROPOSED LOCATION;

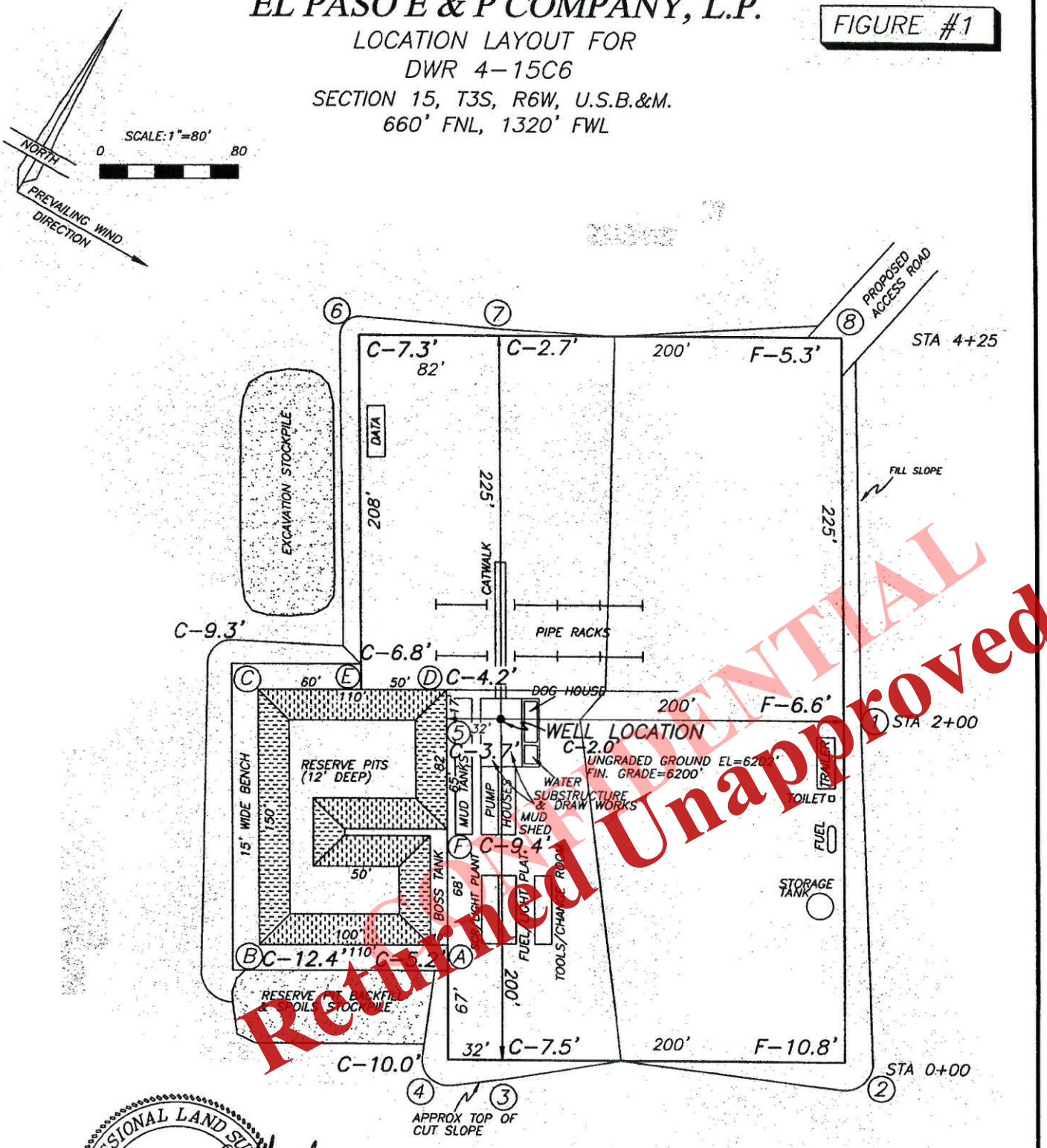
TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 11.75 MILES.

Received: August 18, 2014

EL PASO E & P COMPANY, L.P.

LOCATION LAYOUT FOR
DWR 4-15C6
SECTION 15, T3S, R6W, U.S.B.&M.
660' FNL, 1320' FWL

FIGURE #1



PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
7 Apr '10
STATE OF UTAH

16 NOV 2009 01-128-119

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

Received: August 18, 2014

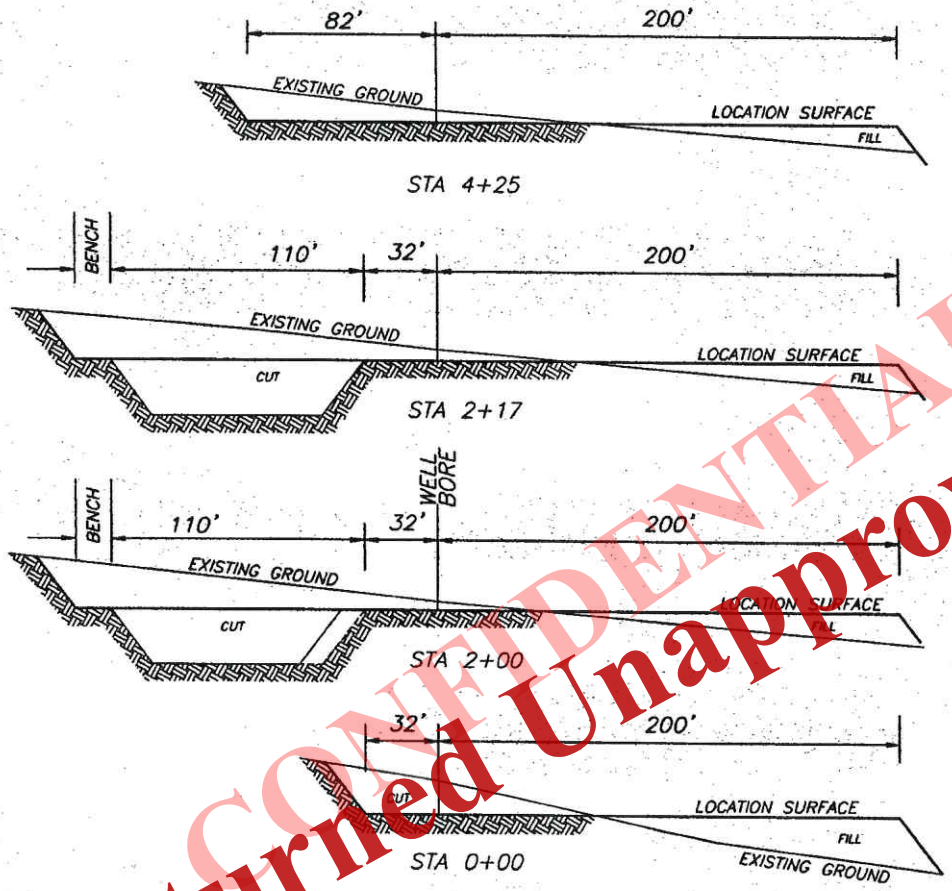
EL PASO E & P COMPANY, L.P.

LOCATION LAYOUT FOR
DWR 4–15C6
SECTION 15, T3S, R6W, U.S.B.&M.
660' FNL, 1320' FWL

FIGURE #2

1"=40' X–SECTION SCALE
1"=80'

NOTE: ALL CUT/FILL SLOPES ARE 1½:1 UNLESS OTHERWISE NOTED



APPROXIMATE YARDAGES

TOTAL CUT (INCLUDING PIT) = 19,351 CU. YDS.

PIT CUT	=	4850 CU. YDS.
TOPSOIL STRIPPING: (6")	=	2694 CU. YDS.
REMAINING LOCATION CUT	=	11,807 CU. YDS

TOTAL FILL = 9551 CU. YDS.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
7 Apr '10
STATE OF UTAH

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST––P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738–5352

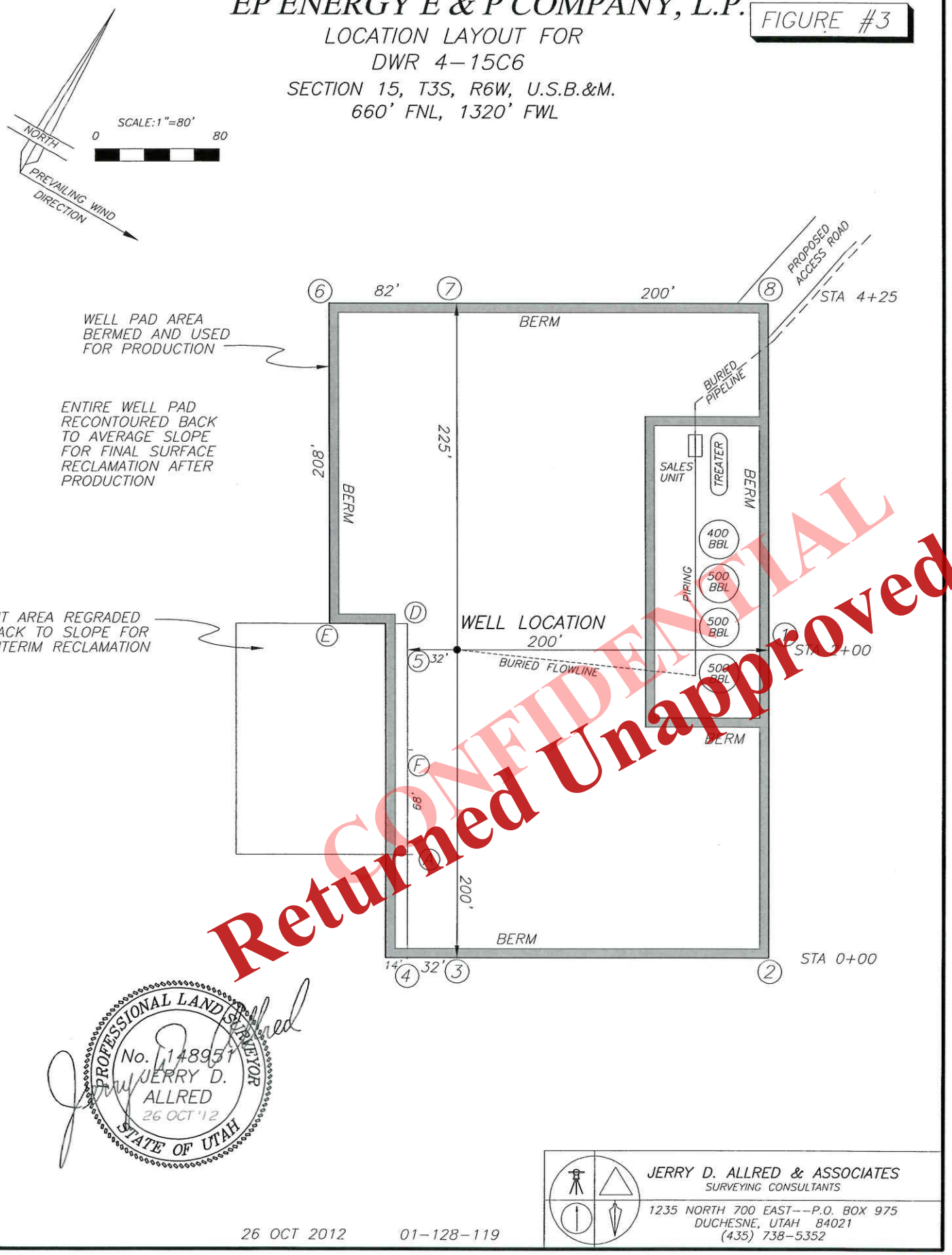
16 NOV 2009 01–128–119

Received: August 18, 2014

EP ENERGY E & P COMPANY, L.P.

FIGURE #3

LOCATION LAYOUT FOR
DWR 4–15C6
SECTION 15, T3S, R6W, U.S.B.&M.
660' FNL, 1320' FWL

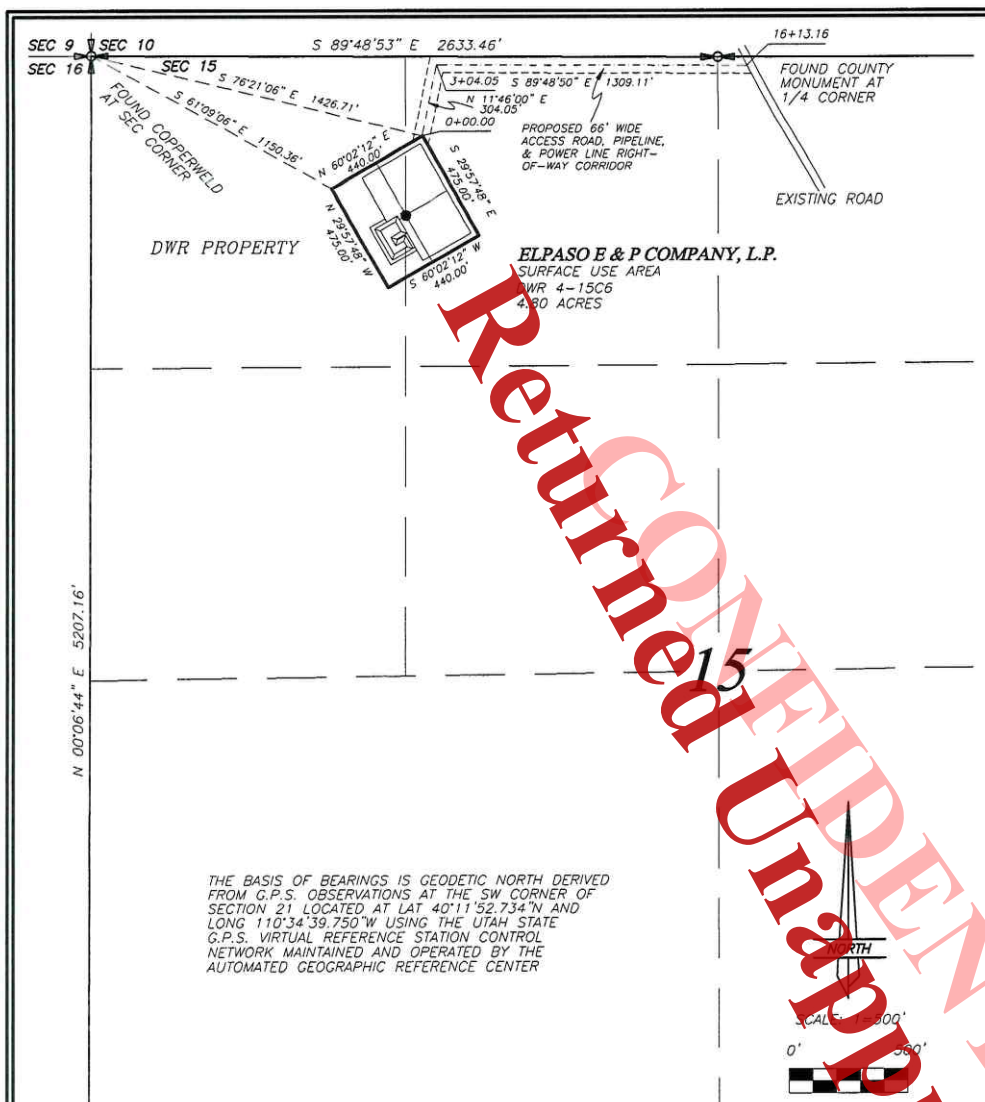


PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
26 OCT '12
STATE OF UTAH

26 OCT 2012 01–128–119

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738–5352

Received: August 18, 2014



THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SW CORNER OF SECTION 21 LOCATED AT LAT 40°11'52.734"N AND LONG 110°34'39.750"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

LOCATION SURFACE USE AREA & ACCESS ROAD, PIPELINE, AND POWER LINE RIGHT-OF-WAY SURVEY FOR

EL PASO E & P COMPANY, L.P.

DWR 4-15C6

SECTION 15, TOWNSHIP 3 SOUTH, RANGE 6 WEST

UINTAH SPECIAL BASE AND MERIDIAN

USE AREA BOUNDARY

Commencing at the Northwest Corner of Section 15, Township 3 South, Range 6 West of the Uintah Special Base and Meridian;
Thence South 61°09'06" East 1150.36 feet to the TRUE POINT OF BEGINNING;
Thence North 60°02'12" East 440.00 feet;
Thence South 29°57'48" East 475.00 feet;
Thence South 60°02'12" West 440.00 feet;
Thence North 29°57'48" West 475.00 feet to the TRUE POINT OF BEGINNING, containing 4.80 acres.

ACCESS ROAD, PIPELINE, AND POWER LINE CORRIDOR RIGHT-OF-WAY

A 66 feet wide access road, pipeline and power line corridor right-of-way over a portion of Section 15, Township 3 South, Range 6 West of the Uintah Special Base and Meridian, the centerline of which is further described as follows;
Commencing at the Northwest Corner of said Section 15;
Thence South 76°21'06" East 1426.71 feet to the TRUE POINT OF BEGINNING, said point being on the North side of the Elpaso E&P Co. DWR 4-15C6 well location use boundary;
Thence North 11°46'00" East 304.05 feet;
Thence South 89°48'50" East 1309.11 feet to the West side of an existing road. Said right-of-way being 1613.16 feet in length, the sidelines of which being shortened or elongated to meet the use area boundary and existing road right-of-way lines.

SURVEYOR'S CERTIFICATE

This is to certify that this plat was prepared from the field notes and electronic data collector files of an actual survey made by me, or under my personal supervision, of the use area, access road, pipeline, and power line corridor right-of-way shown hereon, and that the monuments indicated were found or set during said survey, and that this plat accurately represents said survey to the best of my knowledge.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
16 NOV '09
STATE OF UTAH

Jerry D. Allred, Professional Land Surveyor, Certificate 148951 (Utah)

16 NOV 2009 01-128-119

JERRY D. ALLRED AND ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

BOP Schematics

will be submitted

when rig has been chosen

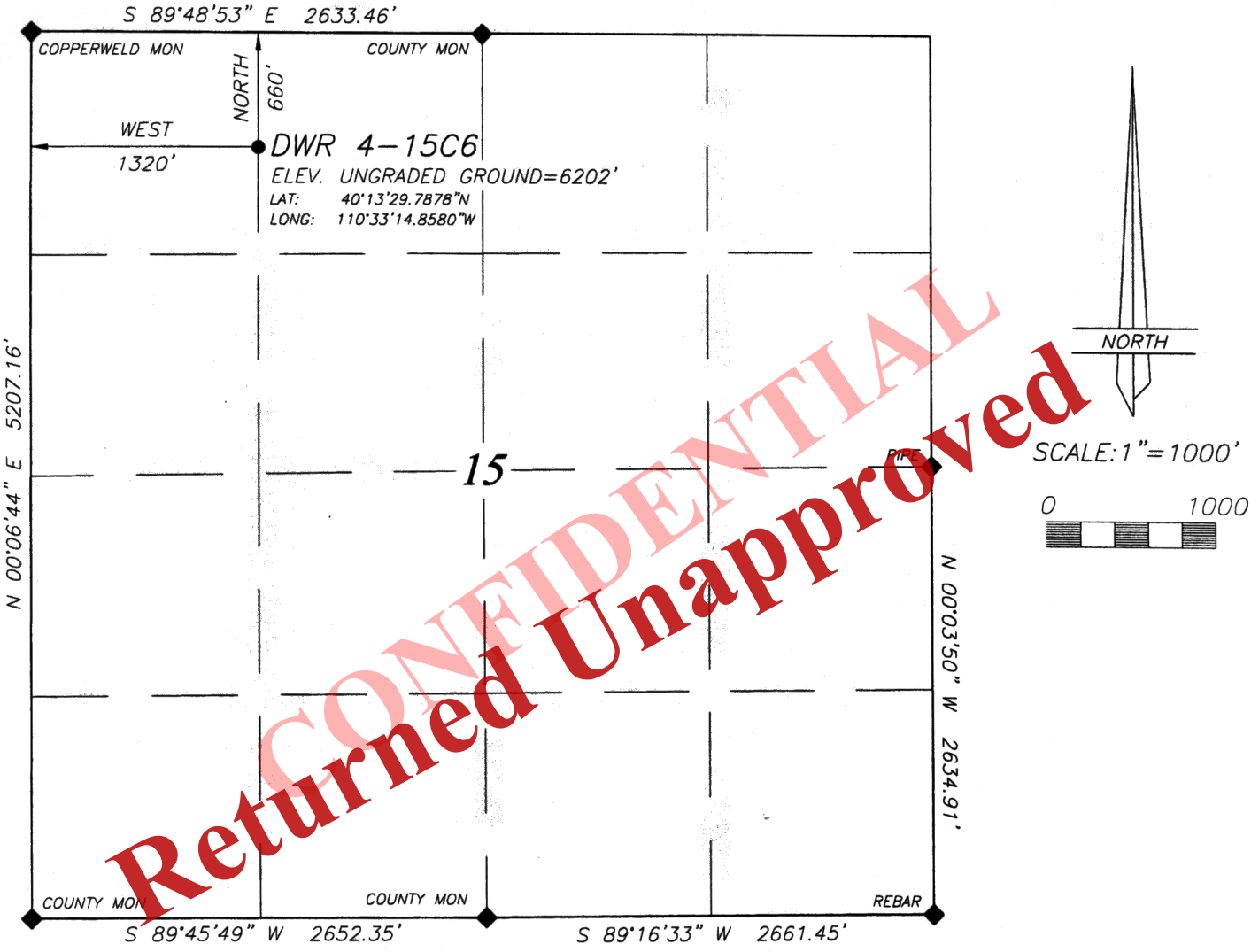
Received: August 18, 2014

EL PASO E & P COMPANY, L.P.

WELL LOCATION

DWR 4-15C6

LOCATED IN THE NE¼ OF THE NW¼ OF SECTION 15, T3S, R6W, U.S.B.&M. DUCHESNE COUNTY, UTAH



LEGEND AND NOTES

◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SW CORNER OF SECTION 21 LOCATED AT LAT 40°11'52.734"N AND LONG 110°34'39.750"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM

SURVEYOR'S CERTIFICATE

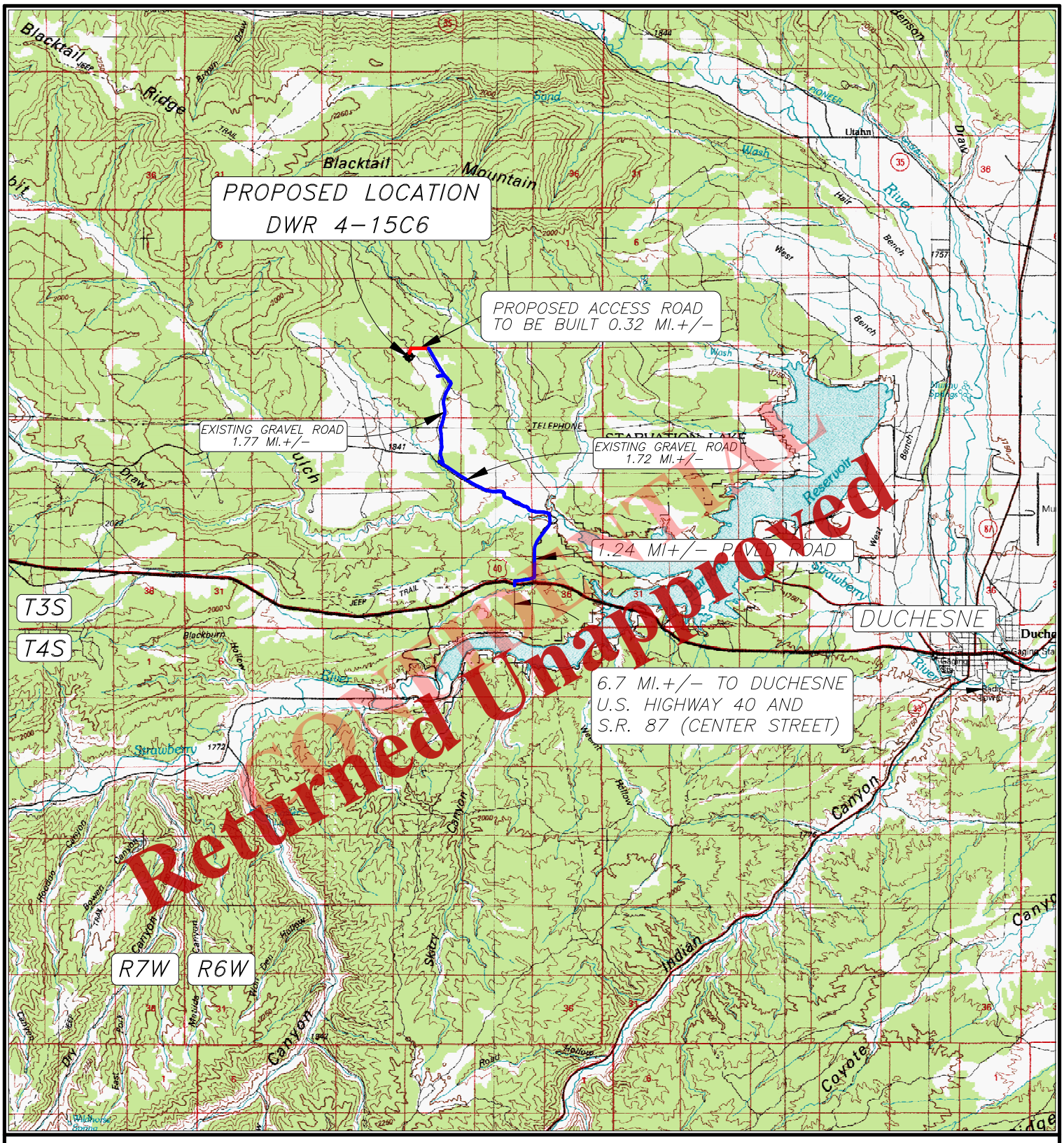
I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME, OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
16 Nov 09
STATE OF UTAH

JERRY D. ALLRED, REGISTERED LAND SURVEYOR, CERTIFICATE NO. 148951 (UTAH)

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

9 NOV 2009 01-128-119



LEGEND:

⊕ PROPOSED WELL LOCATION

EL PASO E & P COMPANY, L.P.

DWR 4-15C6

SECTION 15, T3S, R6W, U.S.B.&M.

660' FNL 1320' FWL

01-128-119

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

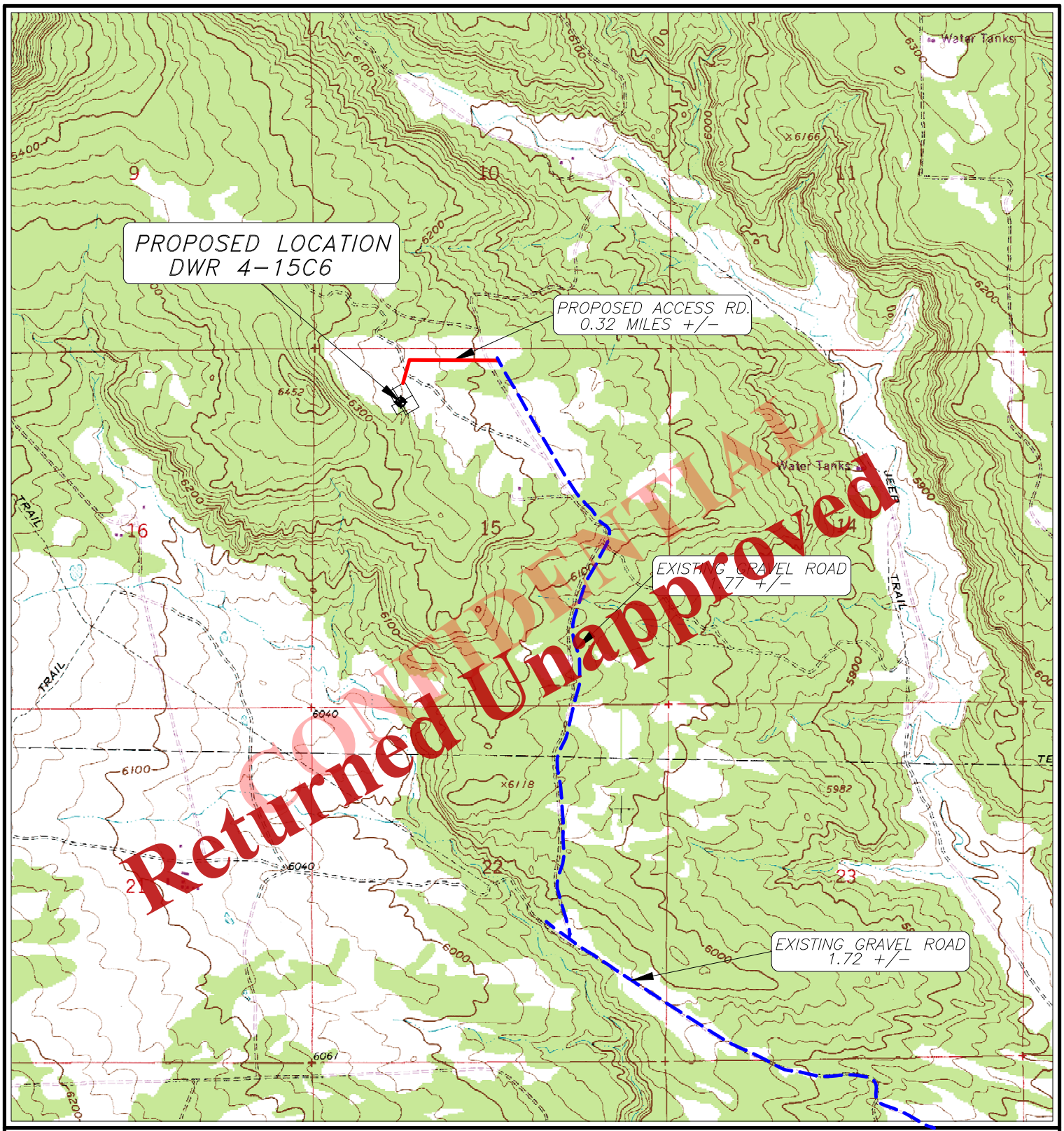
NORTH

TOPOGRAPHIC MAP "A"

SCALE; 1"=10,000'

5 NOV 2009

Received: August 18, 2014



LEGEND:

- PROPOSED WELL LOCATION
- PROPOSED ACCESS ROAD
- EXISTING GRAVEL ROAD
- EXISTING PAVED ROAD

01-128-119

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

NORTH

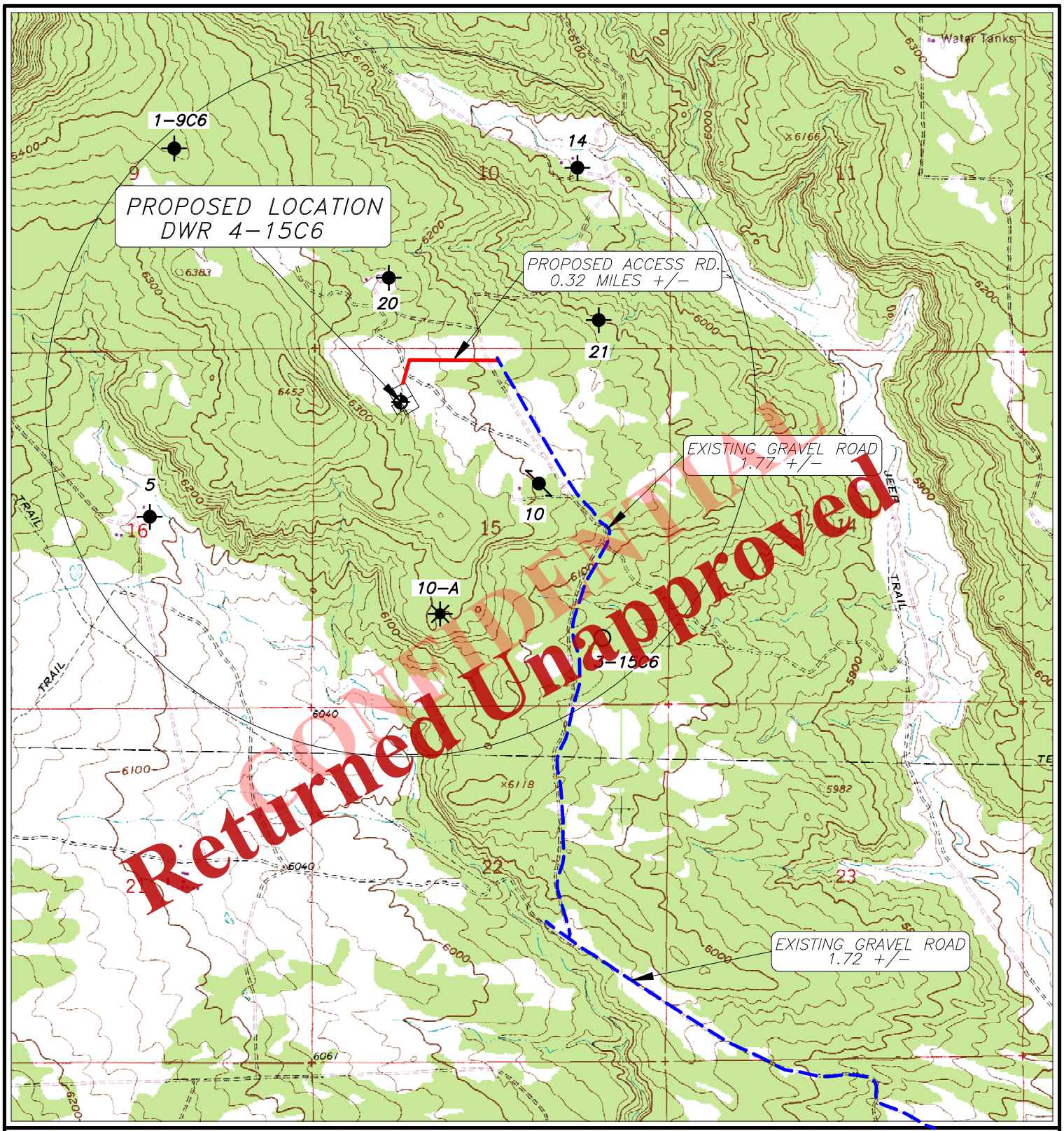
EL PASO E & P COMPANY, L.P.

DWR 4-15C6
SECTION 15, T3S, R6W, U.S.B.&M.
660' FNL 1000' FWL

TOPOGRAPHIC MAP "B"

SCALE; 1"=2000'
5 NOV 2009

Received: August 18, 2014



LEGEND:

PROPOSED WELL LOCATION

2-25C6 OTHER WELLS AS LOCATED FROM SUPPLIED MAP

01-128-119

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

NORTH

EL PASO E & P COMPANY, L.P.

DWR 4-15C6

SECTION 15, T3S, R6W, U.S.B.&M.

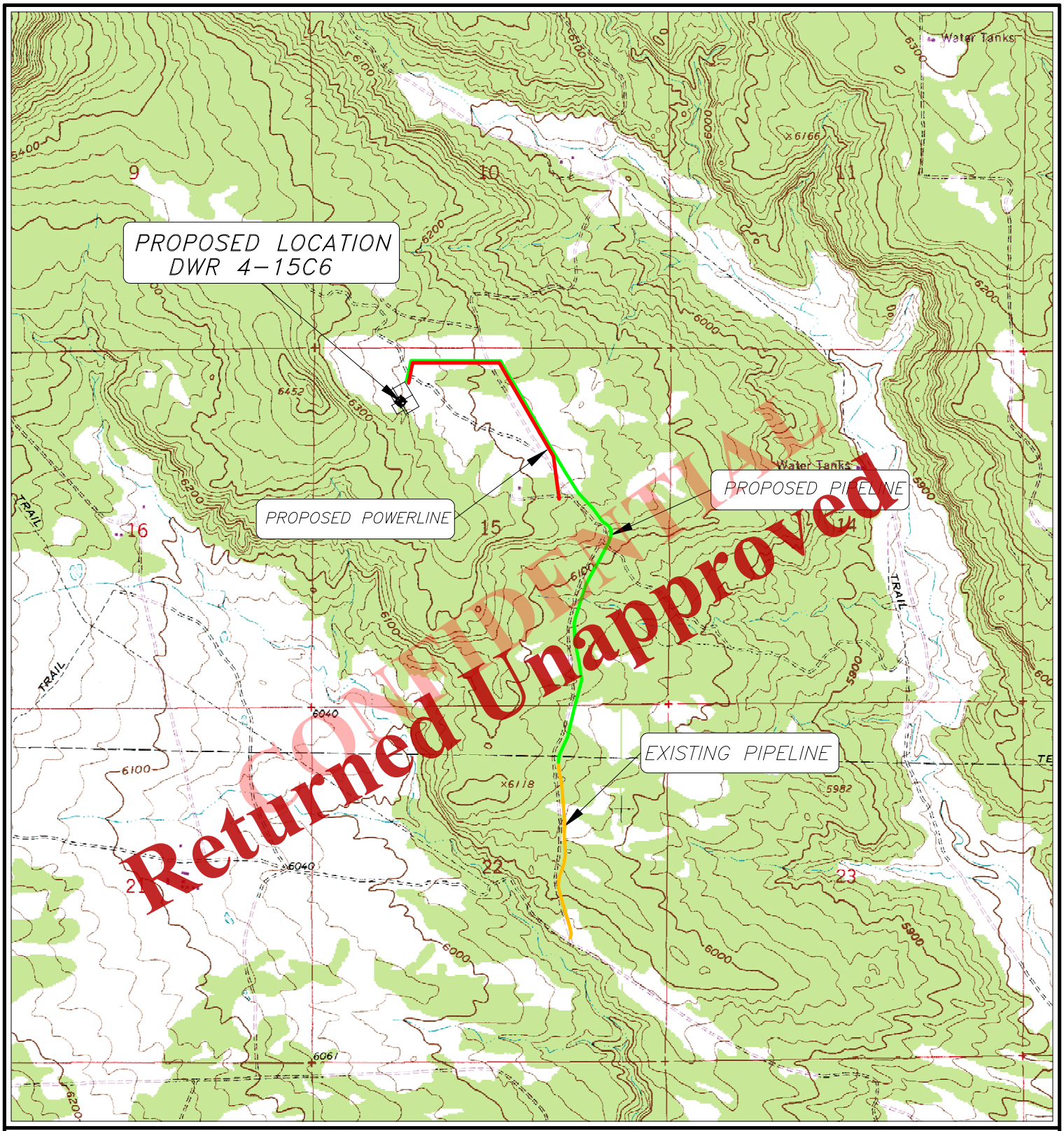
660' FNL 1320' FWL

TOPOGRAPHIC MAP "C"

SCALE; 1"=2000'

5 NOV 2009

Received: August 18, 2014



LEGEND:

- PROPOSED WELL LOCATION
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PROPOSED POWERLINE

01-128-119

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

NORTH

EL PASO E & P COMPANY, L.P.

DWR 4-15C6
SECTION 15, T3S, R6W, U.S.B.&M.
660' FNL 1320' FWL

TOPOGRAPHIC MAP "D"

SCALE; 1"=2000'
20 AUG 2010

Received: August 18, 2014

Application for Permit to Drill – BLM
DWR 4-15C6
Duchesne County, Utah

EL PASO E&P COMPANY, L.P.

Surface Use Plan

1) **EXISTING ROADS**
   a) Refer to EXHIBIT A, for location of well and access route.
   b) See ITEM (a) for directions to well site.
   c) Refer to Topographic Map "B", for location of existing roads within a one (1) mile radius of the well. Additional existing roads are shown on Topographic Map "A".

2) **CONSTRUCTION/RECONSTRUCTED ACCESS ROADS (IN ACCORDANCE WITH THE BLM "GOLD BOOK")**
   a) The road will be crown and ditch. Water wings will be constructed on the access road as needed.
   b) The topsoil will be windrowed and re-spread in the borrow area.
   c) New road to be constructed will be approximately .32 miles in length and 66 feet wide. No passing turnouts will be constructed.
   d) All culverts will not be installed on fill and will be laid on natural ground or cut areas (compaction is not required when installed in this manner). The culverts will be placed on a 3 percent grade. The outlet of all culverts will extend at least one foot beyond the toe of any slope. All culverts will be 18" corrugated metal pipe (CMP). Excavation, bedding and backfilling of culverts will be done using good engineering practices.
   e) Maximum slope will be less than 8%.
   f) All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

3) **LOCATION OF EXISTING WELLS**
   a) Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

4) **LOCATION AND TYPE OF DRILLING WATER SUPPLY**
   a) Duchesne City.
   Water will be transported via truck. Trucks will use existing/proposed access roads to haul water.

5) **EXISTING/PROPOSED FACILITIES FOR PRODUCTIVE WELL**
   a) There are no existing facilities that will be utilized for this well.
   b) Proposed production facilities will include the following to be located on the well location: 2-500 barrel crude tanks, 1-500 barrel production water tank, and 1-6X20 treater.
   c) When production is established a Sundry Notice will be submitted with a production facility diagram. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
   d) Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

Received: August 18, 2014

6) **CONSTRUCTION MATERIALS**

a) Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

b) No materials will be removed from any federally owned sources.

7) **METHODS FOR HANDLING WASTE DISPOSAL**

a) The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on the three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.

b) Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.

c) Sewage will be handled in self-contained, chemically treated portable toilets and the contents hauled off location to an authorized sanitary disposal facility.

d) Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.

e) Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's.

8) **ANCILLARY FACILITIES**

a) There will be no ancillary facilities associated with this project.

9) **WELL SITE LAYOUT**

a) Please refer to "Cut and fill Sheet" and "Cross Section Sheet".

b) If ground frost prevents the segregation and removal of the topsoil material from the less desirable subsoil material, cross ripping to the depth of the topsoil material may be necessary.

c) If snow is present on the ground at the outside of construction areas, the snow will be removed before the soil is disturbed and piled down hill from the topsoil stockpile locations.

d) Plans for removal and storage of topsoil are presented in item 10 below.

e) Soil material and overburden will not be pushed over side slopes or into drainages. All soil material disturbed will be placed in an area where it can be retrieved.

f) The location (including the reserve pit) will be designed to prevent the collection of surface runoff.

g) Plans for lining of the reserve pit are presented in item 7 above.

h) Cut and fill slopes on the pad will be constructed no steeper than 1-1/2:1.

i) The maximum cut on the pad will be 13.3'. The maximum fill on the pad will be 8.3'.

j) All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

Received: August 18, 2014

10) **SURFACE RECLAMATION PLANS**

SEE INCLUDED **10. Reclamation Plan for Vernal, UT Bureau of Land Management**

11) **SURFACE OWNERSHIP:**

State of Utah Department of Natural Resources
Division of Wildlife Resources
1594 West North Temple
Salt Lake City, Utah 84116
801-538-4744

12) **OTHER INFORMATION:**

- The surface soil consists of clay, and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

- **Operator and Contact Persons:**

Construction and Reclamation:
El Paso E&P Company, L.P.
Wayne Garner
435-823-1490 – Cell

Regarding this APD:
El Paso E & Company, L.P.
Maria S. Gomez
Principal Regulatory Analyst
1001 Louisiana
Houston, Texas 77002
713-997-5038 office/832-683-0561 cell

Drilling:
El Paso E&P Company, L.P.
Joe Cawthorn – Drilling Engineer
1001 Louisiana
Houston, Texas 77002
713-997-5929 – Office
832-465-2882 – Cell

Received: August 18, 2014

API Number: 4301353117

Well Name: DWR 4-15C6

Township: T03.0S Range: R06.0W Section: 15 Meridian: U

Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared: 8/22/2014
Map Produced by Diana Mason

Wells Query

Status

- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

Units

STATUS

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS

- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

1,250 625 0 1,250 Feet

1:12,470

Received: August 22, 2014

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

November 02, 2015

EP ENERGY E&P COMPANY, L.P.
1001 Louisiana
Houston, TX 77002

Re: Application for Permit to Drill - DUCHESNE County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the DWR 4-15C6 well, API 43013531170000 that was submitted August 18, 2014 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason
Environmental Scientist

Enclosure
cc: Bureau of Land Management, Vernal, Utah

Form 3160-3
(August 2007)

RECEIVED
SEP 17 2014
DIV. OF OIL, GAS & MINING

RECEIVED
NOV 02 2012
BLM

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. 1420H624724
	6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
	7. If Unit or CA Agreement, Name and No.
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone	8. Lease Name and Well No. DWR 4-15C6
2. Name of Operator EL PASO E&P COMPANY LP Contact: MARIA GOMEZ E-Mail: maria.gomez@epenergy.com	9. API Well No. 43013 53117
3a. Address ATTN ALTAMONT (UTAH) BUSINESS AREA MGR HOUSTON, TX 77252-2511 3b. Phone No. (include area code) Ph: 713-997-5038 Fx: 713-445-8554	10. Field and Pool, or Exploratory ALTAMONT
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface NENW 660FNL 1320FWL 40.132979 N Lat, 110.331486 W Lon At proposed prod. zone NENW 660FNL 1320FWL	11. Sec., T., R., M., or Blk. and Survey or Area Sec 15 T3S R6W Mer UBM
14. Distance in miles and direction from nearest town or post office* 11.75	12. County or Parish DUCHESNE 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660 16. No. of Acres in Lease 640.00	17. Spacing Unit dedicated to this well 640.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1500 19. Proposed Depth 11300 MD 11300 TVD	20. BLM/BIA Bond No. on file WY3457
21. Elevations (Show whether DF, KB, RT, GL, etc. 6202 GL 22. Approximate date work will start 02/01/2013	23. Estimated duration ~40 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) MARIA GOMEZ Ph: 713-997-5038	Date 11/02/2012
Title AUTHORIZED REPRESENTATIVE		
Approved by (Signature) Title Assistant Field Manager Lands & Mineral Resources	Name (Printed/Typed) Jerry Kenczka Office VERNAL FIELD OFFICE	Date SEP 04 2014

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #157486 verified by the BLM Well Information System
For EL PASO E&P COMPANY LP, sent to the Vernal
Committed to AFMSS for processing by JOHNETTA MAGEE on 11/13/2012 (13JM0785AE)

NOTICE OF APPROVAL

UDOGM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

12 IM 0785 AE

No NOS

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**EL PASO E&P COMPANY LP**	**Location:**	**NENW, Sec. 15, T3S, R6W**
Well No:	**DWR 4-15C6**	**Lease No:**	**14-20-H62-4724**
API No:	**43-013-53117**	**Agreement:**	**N/A**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to:blm_ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

Well Number: DWR 4-15C6

Well Specific Conditions of Approval:

- All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.

- The conditions of approval, as set forth by those owners and/or agencies, shall be adhered to.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

DWR 4-15C6

Well specific down-hole COA's:

- Cement for the 9 5/8 casing shall be brought up to a minimum of 200 feet above the surface casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.